BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Construction of Bus Stop in Ramachandrapura in Ward No. 10, Daddabommasandra, Vidyaranyapura Sub Division.

								Estimate Cost Rs.	905429.00
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, **No. 5/ Item No. 2.4/ PWD SR 2012-13**	Cum							
	For Columns for two Bus Shulters		8	1.50	1.50	1.50	27.00		
	Allround Building Ramachandrapura		1	13.70	0.90	1.05	12.95		
	Allround Building Doddabommasandra		1	17.38	0.90	1.05	16.42		
	Total Executed Qty						**56.37**	TP	
	Total Executed Qty upto 125%						**53.54**	200.00	**10708.00**
	Total Executed Qty Above 125%						**2.83**	223.66	**634.00**
	2013-14 PWD SR Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using 40mm and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(P.12/I.4.3 PWD SR - 2012-13)**	Cum							
	For Columns for two Bus Shulters		8	1.50	1.50	0.15	2.70		
	Allround Building Ramachandrapura		1	13.70	0.90	0.15	1.85	TP	
	Allround Building Doddabommasandra		1	17.38	0.90	0.15	2.35		
	Total Executed Qty						**6.90**	4000.00	**27583.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 **Page No. 16/ Item No. 4.28/ PWD SR 2012-13**	Sqm							
	Column Footing		8	4.80		0.60	23.04		
	Columns		8	1.38		3.00	33.12		
	Ramachandrapura Roof Slab		1	6.26		4.05	25.35		
	Roof Sides		2	6.26		0.15	1.88		
			2	4.05		0.15	1.22		
	Doddabommasandra Roof Slab		1	8.10		4.05	32.81		
	Roof Sides		2	8.10		0.15	2.43		
			2	4.05		0.15	1.22		
	Total Executed Qty						**121.06**	TP	
	Total Executed Qty upto 125%						**14.58**	250.00	**3644.00**
	Total Executed Qty Above 125%						**106.48**	220.48	**23477.00**
	2013-14 PWD SR Basic Rate	208.00							
	Area Weightage @ 6%	12.48							
	Total	**220.48**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
	Column Footing		8	1.50	1.50	0.75	13.50		
	Columns		8	0.45	0.23	3.50	2.90		
	Plinth		1	13.70	0.46	0.15	0.95		
			1	17.38	0.46	0.15	1.20		
	Roof Slab		1	6.26	4.05	0.15	3.80		
			1	8.10	4.05	0.15	4.92		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Tie Beam		1	13.70	0.23	0.30	0.95		
			1	17.38	0.23	0.30	1.20		
	Total Executed Qty						**29.41**	TP	
	Total Executed Qty upto 125%						**10.61**	5300.00	**56246.00**
	Total Executed Qty Above 125%						**18.80**	5535.32	**104054.00**
	2013-14 PWD SR Basic Rate	5222.00							
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							
5	KSRB 4.9.1: Providing Mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45/ PWD SR 2012-13**	Qtl							
	125 Kg / Cum		1.25	29.41			**36.76**		
	Total Executed Qty						**36.76**	TP	
	Total Executed Qty upto 125%						**23.76**	7900.00	**187724.00**
	Total Executed Qty Above 125%						**13.00**	7312.94	**95075.00**
	2013-14 PWD SR Basic Rate	6899.00							
	Area Weightage @ 6%	413.94							
	Total	**7312.94**							
6	Supplying, fabricating, erecting, and fixing in position, inserts and embedments, Truss, clamps, brackets, insert plates and all miscellaneous steel works as shown in drawing and as directed by the Engineer at all depths, using MS angles, channels, steel beams, rails, tees, plates, flats, rounds squares etc., of various sizes and other **structural section** confirming IS 2062 grade A, medium class GI pipes etc., including straighting, cutting, fabricating, welding, bending to slope fixing to position, welding to insert plate embeded in concrete and inclusive of 2coats of enamel paint over one coat of metal primer. The rate quoted is to include the cost of all materials, labour, tools, tackets, cranes, devices and plants, wastage etc., as per specifications and drawings complete. Including cost of bolts, nuts, washers, clamps, welding, electrodes, and connections required for the work. Rate to include shims and packing peices etc., complete with all lead and lifts as directed by the Engineer-in-charge.	MT							
			Not Executed						

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Manufacturing, providing & fixing Advertisement Boards with frame of 25x25x2mm sq.pipe and S.S Beading with rivets with 1.2mm thick polycorbonate sheet covering as per approved drawing & specification etc., complete and as directed by the Engineer in charge	Sqm							
			Not Executed						
8	Providing and fixing stainless steel hand rails for a height of 900 mm using m 62.50 mm dia of 16 guage for top measure and verticals at 1.50 m C/c, and 50 mm dia of 16 guage stainless steel pipes of 4 rows below top measure at equal intervals including fixing with 500 mm dia, G.L pipe including cutting, welding, be4nding wherever necessary with suitable caps at top and bottom etc, complete finishing with mat / shnining finishing etc, complete as per technical specification and as directed by the engineer in charge or work, **No. 235/ Item No. 37.56 PWD SR 2012-13**	M							
	Flooring		Not Executed						
9	Galvalume Steel Sheet Roofing: Providing galvolume sheet roofing fixed with polymer								
		Sqm	Not Executed						
10	Providing & fixing 84C Steel Flase Ceiling with panel of 0.5mm thick with necessary fitings etc complete and as per directions of Engineer-In-Charge.	Sqm							
			Not Executed						
11	Providing & fixing Granite Seating with necessary fitings etc complete and as per directions of Engineer-In-Charge.	Sqm							
			1	3.80	0.45		1.71		
			1	2.59	0.45		1.17		
			1	5.64	0.45		2.54		
			1	2.59	0.45		1.17		
	Total Executed Qty						**6.58**		
	Total Executed Qty upto 125%						**5.36**	3510.00	**18822.00**
	Total Executed Qty Above 125%						**1.22**	3510.00	**4270.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2012-13**	Cum							
	Flooring		1	3.80	2.59	0.15	1.48		
	Flooring		1	5.64	2.59	0.15	2.19		
	Front		1	4.26	1.20	0.15	0.77		
			1	6.10	1.20	0.15	1.10		
	Total Executed Qty						**5.53**	4800.00	**26555.00**
13	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement / colour pigment etc., complete. **using grey granite Page No. 116 / Item No. 14.47.1 / PWD SR 2012-13**	Sqm							
			1	3.80	2.59		9.84		
			1	5.64	2.59		14.61		
	Total Executed Qty						**24.45**	1890.00	**46210.00**
	EIRL								
14	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (Page No. 25 / Item No. 5.6**	Cum							
			1	13.70	0.75	0.45	4.62		
			1	17.38	0.75	0.45	5.87		
							10.49		
	Deduction for Columns		8	1.20	0.75	0.45	-3.24		
							7.25	3484.22	**25259.00**
	Basic Rate	3287.00							
	Area Weightage @ 6%	197.22							
	Total	**3484.22**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2013-14**	Cum							
			1	13.70	0.45	0.45	2.77		
			1	17.38	0.45	0.45	3.52		
							6.29		
	Dedution For Columns		8	0.45	0.23	0.45	-0.37		
							5.92	4148.84	**24566.00**
	Basic Rate	3914.00							
	Area Weightage @ 6%	234.84							
	Total	**4148.84**							
16	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 **Page No. 32 / Item No. 6.17 / PWD SR 2013-14**	Cum							
	Long Wall		1	4.26	0.23	1.50	1.47		
			1	4.26	0.23	1.00	0.98		
			1	6.10	0.23	1.50	2.10		
			1	6.10	0.23	1.00	1.40		
	Short Wall		2	4.00	0.23	1.50	2.76		
			1	4.00	0.23	1.50	1.38		
							10.10	5789.72	**58459.00**
	Basic Rate	5462.00							
	Area Weightage @ 6%	327.72							
	Total	**5789.72**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
17	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mo	Sqm							
	Roof Top		1	6.26	4.00		25.04		
			1	8.10	4.00		32.40		
							57.44	779.10	**44752.00**
	Basic Rate	735.00							
	Area Weightage @ 6%	44.10							
	Total	**779.10**							
18	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.21 / PWD SR -2013-14**	Sqm							
			1	5.80	3.54		20.53		
			1	7.64	3.54		27.05		
							47.58	163.24	**7767.00**
	Basic Rate	154.00							
	Area Weightage @ 6%	9.24							
	Total	**163.24**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.19 / PWD SR 2013-14 (Inside wall)**	Sqm							
	Inside wall Hall		1	3.80	1.75		6.65		
			2	3.54	1.75		12.39		
			1	5.64	1.75		9.87		
			2	3.54	1.75		12.39		
			1	3.80	1.00		3.80		
			1	5.64	1.00		5.64		
							50.74	199.28	**10111.00**
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							
20	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 124 / I. 15.33 PWD SR - 2013-14**	Sqm							
			Qty Vide Item No. 18+19				**98.32**	19.08	**1876.00**
	Basic Rate	18.00							
	Area Weightage @ 6%	1.08							
	Total	**19.08**							
21	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 123 / Item No. 15.17 / PWD SR 2013-14 (Out side Wall)**	Sqm							
	Out Side		1	4.26		1.50	6.39		
			2	3.05		1.50	9.15		
			1	6.10		1.50	9.15		
			1	3.05		1.50	4.58		
			1	4.26		1.00	4.26		
			1	6.10		1.00	6.10		
							39.63	165.36	**6552.00**
	Basic Rate	156.00							
	Area Weightage @ 6%	9.36							
	Total	**165.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
22	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., **Page No. 117 / Item No. 14.49 / PWD SR 2013-14**	Sqm							
			4	1.80		2.50	18.00		
							18.00	4326.92	**77885.00**
	Basic Rate	4082.00							
	Area Weightage @ 6%	244.92							
	Total	**4326.92**							
23	KSRB 10-2 :- Providing and laying in position yelahanka tiles of size 250x250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specification. Specification No. KBS, **Page No. 69 / Item No. 10.1 / PWD SR 2013-14**	Sqm							
			1	6.26	4.00		25.04		
			1	8.10	4.00		32.40		
							57.44	673.10	**38663.00**
	Basic Rate	635.00							
	Area Weightage @ 6%	38.10							
	Total	**673.10**							
24	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **Page No. 124 / Item No. 15.49 PWD SR 2013-14**	Sqm							
			Qty Vide Item No.18+19				24.08		
							24.08	59.36	**1429.00**
	Basic Rate	56.00							
	Area Weightage @ 6%	3.36							
	Total	**59.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
25	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2013-14 (P.127 / I.15.53.2) with Primer**	Cum							
					Qty Vide Item No.21		39.63	Dated	Subject
							39.63	78.44	3108.00
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							
							Total		**905429.00**

Technical Sanction for Rs. 9.054 lakhs
Nine lakhs fifty four only
P1771
Recommended for T.S. subject to conditions contained endorsement
No: 334 / 13-14 dated 15/2/14
EE (BTP.DIV.)

(Rupees Nine Lakhs Five Thousand Three Hundred and Fifty Three Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara Palike
Bangalore 92